



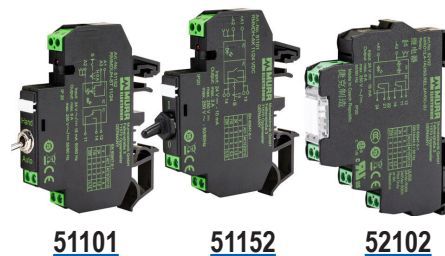
# Interface Relays

## Overview

Murrelektronik Interface Relays are highly compact and lightweight relays especially useful where cabinet space is a consideration. Encased in a self-extinguishing plastic housing, these high quality relays offer a long useful life. Great for use with PLC automation systems, electric power plants, energy management systems, medium voltage panels, industrial machines, and more.

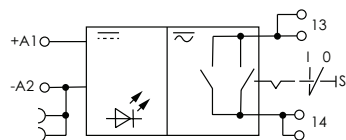
## Features

- 35mm DIN-rail mount
- Status Indicator LED - Relay energized
- Wide range of coil voltage from 24 to 230 VDC/VAC
- High level of electromagnetic compatibility (EMC)
- Self-extinguishing plastic housing

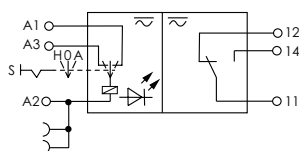


Interface Relays							
Part Number	Price	Coil Voltage	Configuration	Contact Rating	Load Voltage	Action	Drawing Link
<a href="#">51101</a>	\$29.50	24 VDC	SPST	3A	250 VAC/VDC	manual-auto toggle switch	<a href="#">PDF</a>
<a href="#">51152</a>	\$27.00	24 VAC/VDC	SPDT	8A	250 VAC/VDC	H-O-A toggle switch	<a href="#">PDF</a>
<a href="#">52102</a>	\$19.50	24 VDC	DPDT	6A	250 VAC/VDC	-	<a href="#">PDF</a>
<a href="#">52103</a>	\$22.50	24 VAC/VDC	DPDT	6A	250 VAC/VDC	-	<a href="#">PDF</a>
<a href="#">52111</a>	\$25.50	24 VAC/VDC	DPDT	6A	250 VAC/VDC	-	<a href="#">PDF</a>
<a href="#">52130</a>	\$32.50	110 VAC/VDC	DPDT	6A	250 VAC/VDC	-	<a href="#">PDF</a>
<a href="#">52140</a>	\$44.00	230 VAC/VDC	DPDT	6A	250 VAC/VDC	-	<a href="#">PDF</a>

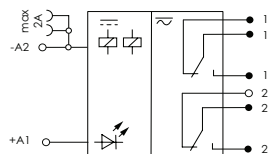
## Wiring Diagrams



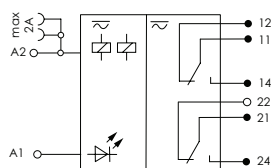
**51101**



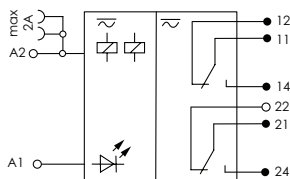
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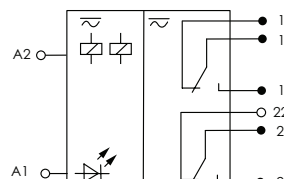
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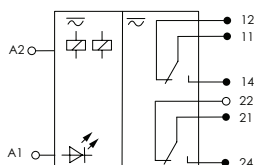
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**52111**



**52130**



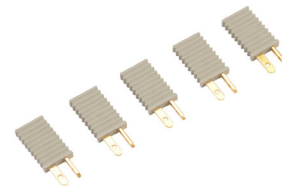
**52140**

# Interface Relays Specifications

Interface Relays Specifications								
Part Number	51101	51152	52102	52103	52111	52130	52140	
<b>Input Specifications</b>								
Nominal Voltage	24VDC	24 VAC/VDC 50/60 Hz	24VDC	24 VAC/VDC 50/60 Hz	24 VAC/VDC 50/60 Hz	110 VAC/VDC 50/60 Hz	230 VAC/VDC 50/60 Hz	
Operating Voltage Range	19.2–28.0 VDC	19.2–28.0 VAC/VDC	19.2–30.0 VDC	19.2–30.0 VAC/VDC	19.2–30.0 VAC/VDC	95.0–121 VAC/VDC	195.0–253.0 VAC/VDC	
Power Consumption	AC	n/a	0.38 VA	n/a	0.48 VA	0.48 VA	0.8 VA	1VA
	DC	0.24 W	0.38 W	0.43 W	0.48 W	0.48 W	0.8 W	1W
<b>Contact Specifications</b>								
Type	SPST	SPDT	DPDT	DPDT	DPDT	DPDT	DPDT	
Material	Silver Nickel (Ag Ni 015)	Silver Nickel (Ag Ni 015)	Silver Tin Oxide (Ag Sn 02)	Silver Tin Oxide (Ag Sn 02)	Silver Tin Oxide (Ag Sn 02)	Silver Tin Oxide (Ag Sn 02)	Silver Tin Oxide (Ag Sn 02)	
Operate Time Max	10ms	10ms	15ms	15ms	15ms	15ms	15ms	
Release Time Max	15ms	20ms	20ms	20ms	20ms	20ms	20ms	
Wire Size Max	14 AWG (stranded) / 12 AWG (solid)							
Max Ratings	AC	3A/250 VAC 1250VA	8A/250 VAC 2000VA	6A/250 VAC 1500VA	6A/250 VAC 1500VA	6A/250 VAC 1500VA	6A/250 VAC 1500VA	6A/250 VAC 1500VA
	DC	3A/250 VDC 240W	8A/250 VDC 240W	6A/250 VDC 120W	6A/250 VDC 120W	6A/250 VDC 120W	6A/250 VDC 120W	6A/250 VDC 120W
Minimum Load	100mA	100mA	100mA	100mA	100mA	1mA	100mA	5mA
Mechanical Life Time	10 x 10 <sup>6</sup> operations							
Electrical Life Time	6 x 10 <sup>4</sup> operations							
<b>General Specifications</b>								
Connection	Screw terminal (M3)							
Tightening Torque	0.2 N·m (+0.1)							
Ambient Temperature	-25 to +60°C [-13 to +140°F]	-25 to +50°C [-13 to +122°F]	-25 to +60°C [-13 to +140°F]	-25 to +60°C [-13 to +140°F]	-25 to +60°C [-13 to +140°F]	-25 to +60°C [-13 to +140°F]	-25 to +50°C [-13 to +122°F]	-25 to +60°C [-13 to +140°F]
Storage Temperature	-40 to +80°C [-40 to +176°F]							
Protection Rating	IP20							
Mounting	35mm DIN-rail							
Relay Indicator	Red LED	Red LED	Green LED	Green LED	Yellow LED	Green LED	Green LED	
Weight (g [oz])	43.0 [1.51]	46.0 [1.62]	55 [1.91]	55 [1.91]	55 [1.91]	55 [1.91]	55 [1.91]	
Agency Approvals and Standards *	CE			CSA 1252427, cURus E140415, CE				

\* To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

Interface Relays Accessories		
Part Number	Price	Description
<a href="#">90962</a>	\$15.00	Murrelektronik interface relay plug link, push-in type, 2-pole, gray. Package of 5. For use with MurrElektronik 51152 and 51101 interface relays.



[90962](#)